

**In the Claims**

1. (Currently Amended) A method for joining pipe-shaped articles, comprising:  
butting pipe-shaped articles comprising a resin member by abutting respective end parts thereof together directly or through a flange comprising a resin member or by inserting the end parts into a fitting comprising a resin member, or in this the abutment or insertion, while disposing a laser light absorber between the end parts of the pipe-shaped articles or between the end part(s) of the pipe-shaped article(s) and the flange or fitting, wherein a first one of the pipe-shaped articles, the filling or the flange comprises a resin member having weak absorbency for laser light, said resin member having weak absorbency for laser light comprising a resin and an additive having weak absorbency for laser light, said additive being at least one member selected from the group consisting of ethylene and/or propylene-based copolymers, styrene-based copolymers, modified ethylene and/or propylene-based copolymers and modified styrene-based copolymers.

at least one end part of the pipe-shaped articles or the flange or fitting comprising a resin member with a transparency to laser light,

at least one end part of the pipe-shaped articles or the flange, fitting or laser light absorber comprising a resin member with an absorbency for laser light, and irradiating laser light on a portion contacted by the end part of the pipe-shaped articles, the flange, the fitting and/or the laser light absorber, thereby laser-welding them.

2. (Original) The method for joining pipe-shaped articles as claimed in claim 1, which is a method of joining pipe-shaped articles through a fitting, wherein the pipe-shaped articles are joined by either one of the following methods:

(A) a pipe-shaped article comprising a resin member having absorbency for laser is

inserted into a fitting comprising a resin member having transparency to laser light, and laser light is irradiated from said fitting side, thereby laser-welding the pipe-shaped article and the fitting, or

(B) a laser light absorber is disposed on the outer surface of a pipe-shaped article comprising a resin member having transparency to laser light, said pipe-shaped article is inserted into a fitting comprising a resin member having transparency to laser light, and laser light is irradiated from said fitting side, thereby laser-welding the pipe-shaped article and the fitting.

3. (Original) The method for joining pipe-shaped articles as claimed in claim 1, which is a method of joining pipe-shaped articles through a flange, wherein the pipe-shaped articles are joined by any one of the following methods:

(C) the end parts of pipe-shaped articles comprising a resin member having transparency to laser light are butted together through a flange comprising a resin member having absorbance for laser light while applying a pressure, and laser light is irradiated from the end part sides of the pipe-shaped articles, thereby laser-welding the end parts;

(D) the end parts of pipe-shaped articles comprising a resin member having absorbency for laser light are butted together through a flange comprising a resin member having transparency to laser light while applying a pressure, and laser light is irradiated from the flange side, thereby laser-welding the end parts;

(E) the end parts of pipe-shaped articles comprising a resin member having transparency to laser light are butted together through a flange comprising a resin member having transparency to laser light while applying a pressure in the state that a laser light absorber is disposed at the abutting parts between said flange and said pipe-shaped articles, and laser light is irradiated from the end part sides of the pipe-shaped articles, thereby laser-welding the end parts; or

(F) the end parts of pipe-shaped articles comprising a resin member having transparency to laser light are butted together through a flange comprising a resin member having transparency to laser light while applying pressure in the state that a laser light absorber is disposed at the abutting parts between said flange and said pipe-shaped articles, and laser light is irradiated from the flange side, thereby laser-welding the end parts.

4. (Original) The method for joining pipe-shaped articles as claimed in claim 1, which is a method of joining end parts of pipe-shaped articles with each other, wherein the pipe-shaped articles are joined by any one of the following methods:

(G) the end part of a first pipe-shaped article comprising a resin member having transparency to laser light, with the inner surface of the end part having a tapered joining face, and the end part of a second pipe-shaped article comprising a resin member having absorbency for laser light, with the outer surface of the end part having a tapered joining face matching the tapered joining face of the end part of said first pipe-shaped article, are abutted together, and laser light is irradiated from said first pipe-shaped article side, thereby laser-welding the joining faces to each other; or

(H) the end part of a first pipe-shaped article comprising a resin member having transparency to laser light, with the inner surface of the end part having a tapered joining face, and the end part of a second pipe-shaped article comprising a resin member having transparency to laser light, with the outer surface of the end part having a tapered joining face matching the tapered joining face of the end part of said first pipe-shaped article, in which a laser light absorber is disposed on said tapered joining face, are abutted together, and laser light is irradiated from said first pipe-shaped article side, thereby laser-welding the joining faces to each other.

5. (Original) The method for joining pipe-shaped articles as claimed in claim 2 wherein, in joining pipe-shaped articles by the method of (A), the pipe-shaped articles comprise an outer layer comprising a resin member having absorbency for laser light and an inner layer comprising a resin member having transparency to laser light.

6. (Original) The method for joining pipe-shaped articles as claimed in claim 5, wherein the thickness of the outer layer is from 10 to 1,000 µm.

7. (Previously Presented) The method for joining pipe-shaped articles as claimed in any one of claims 1 to 6 wherein the laser light absorber is a colorant having absorbency for laser light.

8. (Original) The method for joining pipe-shaped articles as claimed in claim 7, wherein the laser light absorber is a film comprising a resin member containing a colorant having absorbency for laser light.

9. (Original) The method for joining pipe-shaped articles as claimed in claim 8, wherein the thickness of the film is from 10 to 1,000 µm.

10.-11. (Cancelled)

12. (Currently Amended) The method for joining pipe-shaped articles as claimed in claim [[11]] 1, wherein the additive having weak absorbancy has a transmittance of 40 to 90% for laser light.

13. (Cancelled)

14. (Currently Amended) The method for joining pipe-shaped articles as claimed in claim [[10]] 1 wherein, in the resin member, an additive having absorbency for laser light is incorporated in the resin within a range of not allowing melting of the resin even when laser light is absorbed.

15. (Previously Presented) The method for joining pipe-shaped articles as claimed in claim 1, wherein the resin member constituting the pipe-shaped article and fitting comprises a polyamide resin or a polyamide resin composition mainly comprising polyamide.

16. (Previously Presented) The method for joining pipe-shaped articles as claimed in claim 1, wherein the pipe-shaped article is a fuel pipe for automobiles, an air brake pipe for automobiles, a chemical liquid-transporting pipe or a fuel gas-supplying or transporting pipe.